

FIG.1

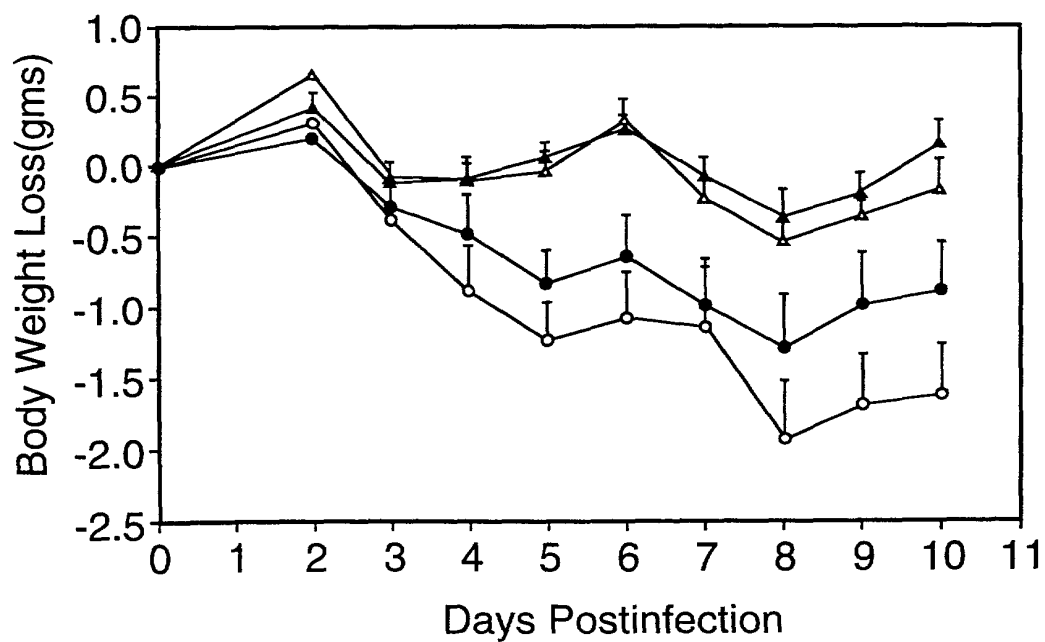


FIG.2A

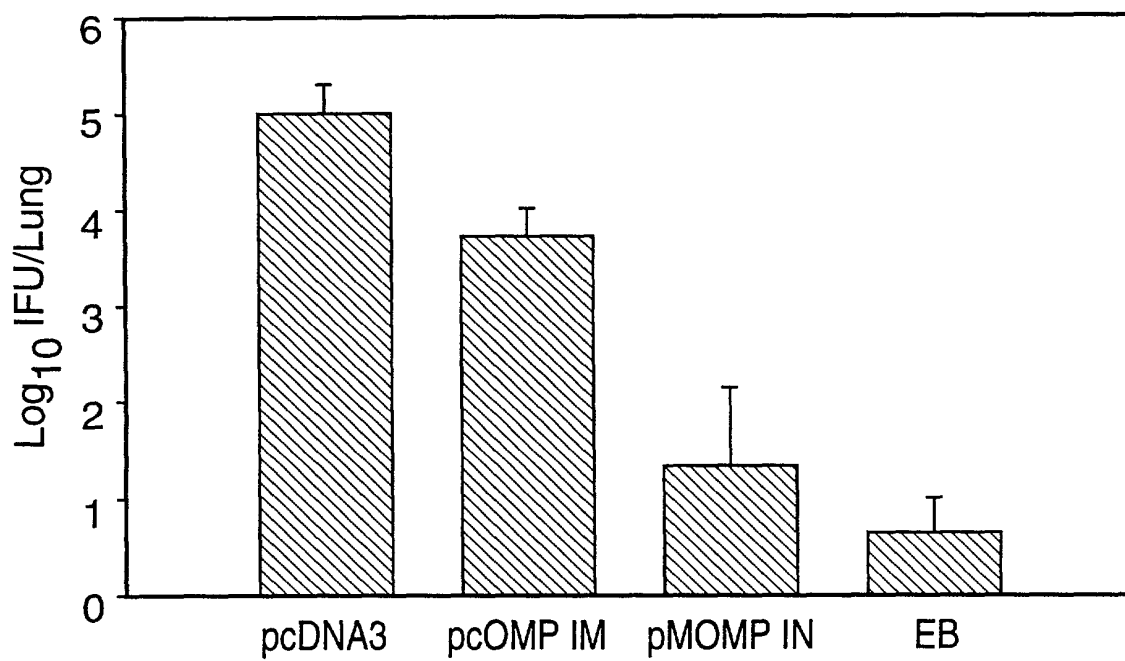


FIG.2B

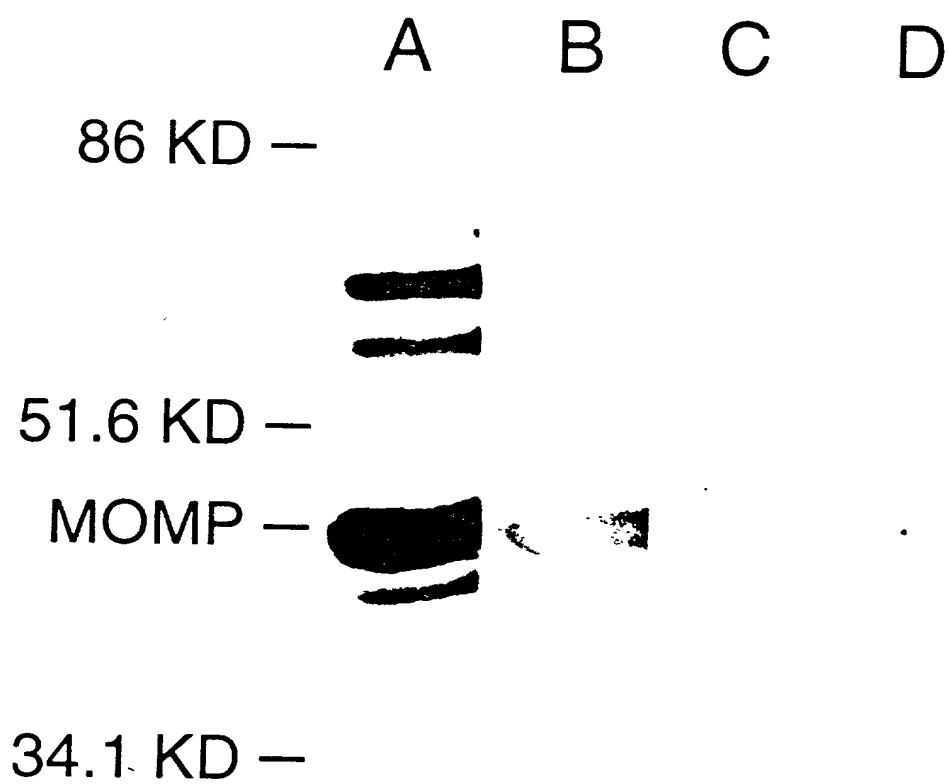
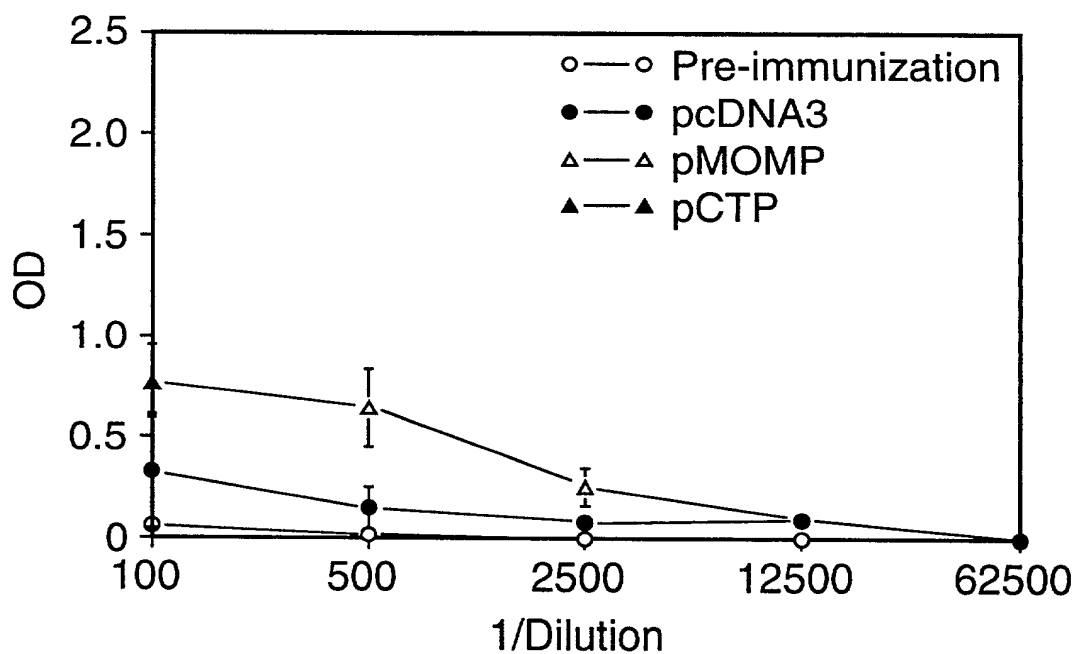
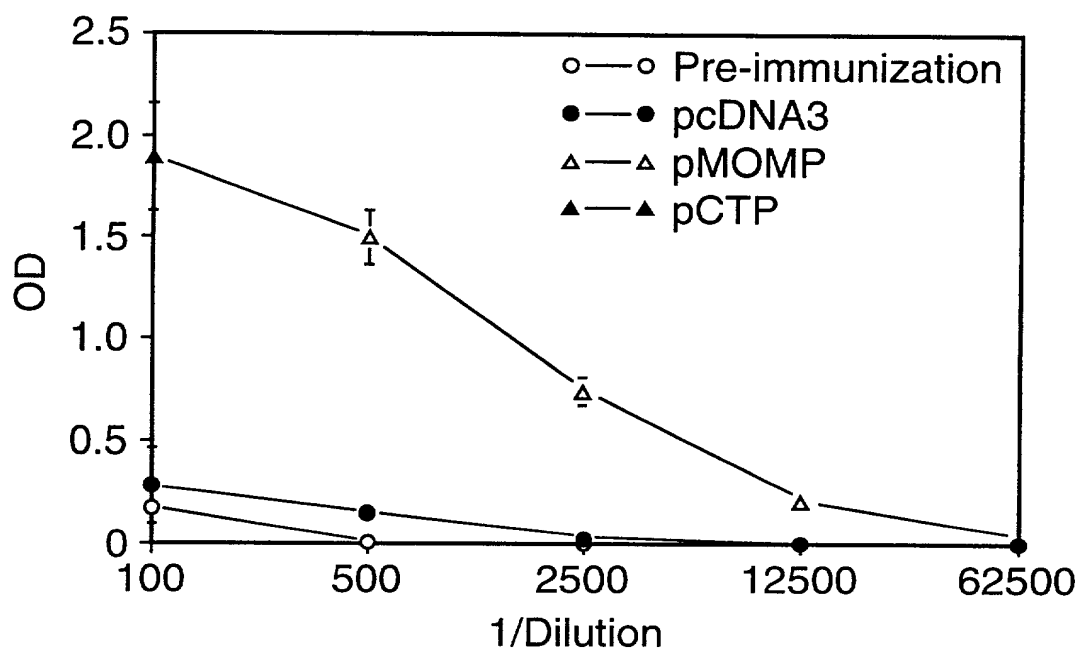


FIG.3



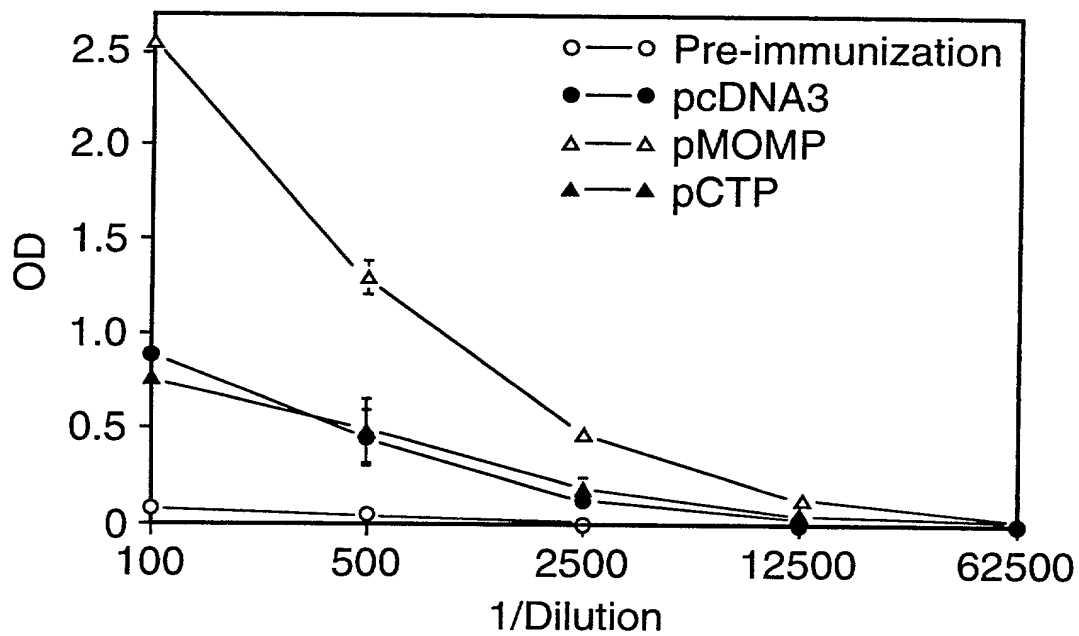


FIG.4C

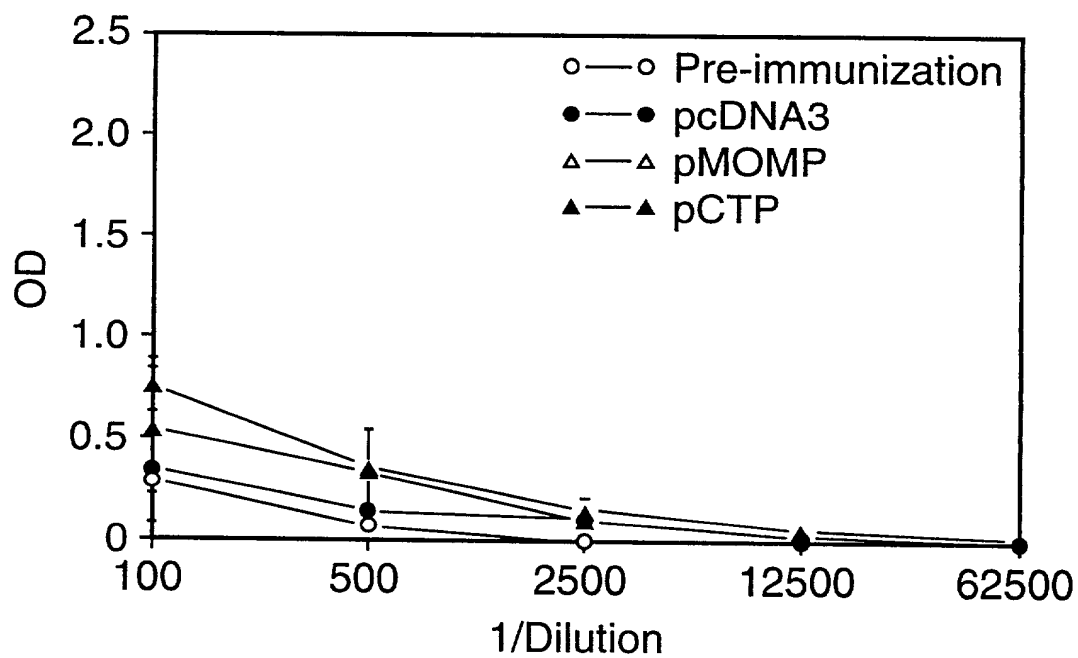


FIG.4D

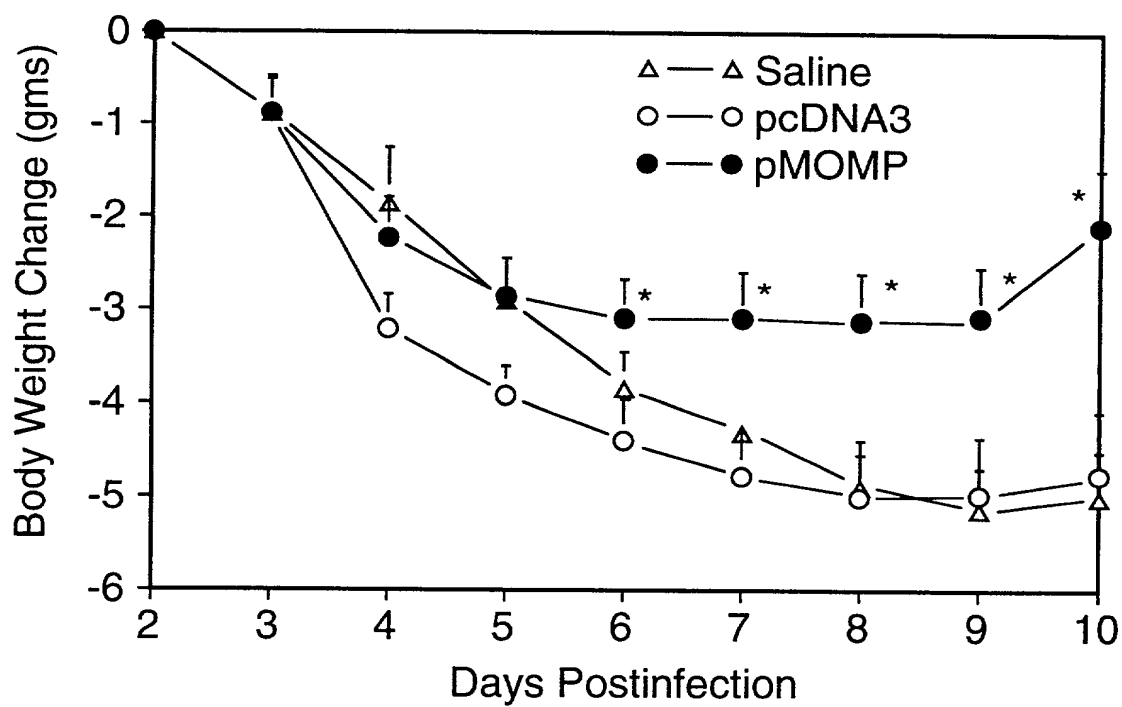


FIG.5A

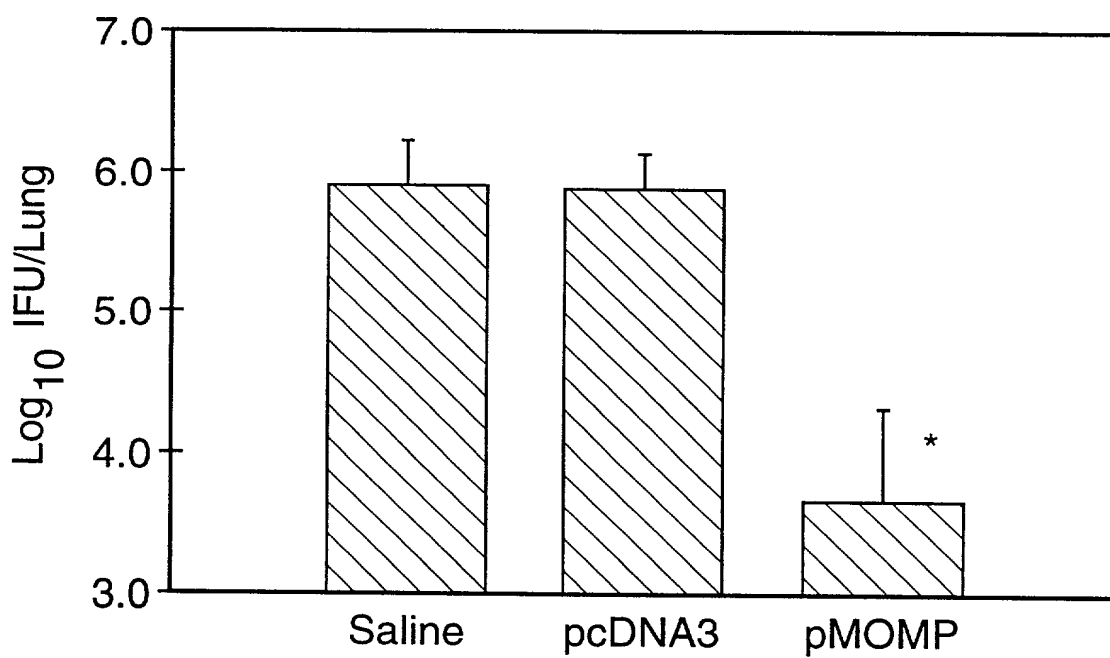


FIG.5B

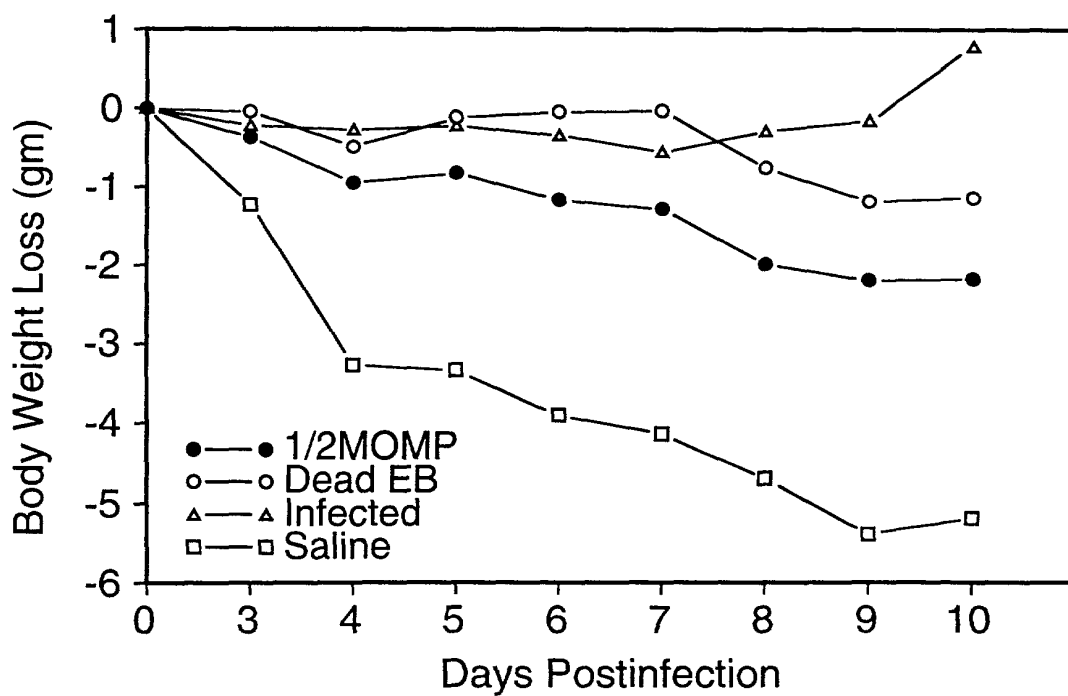


FIG.6A

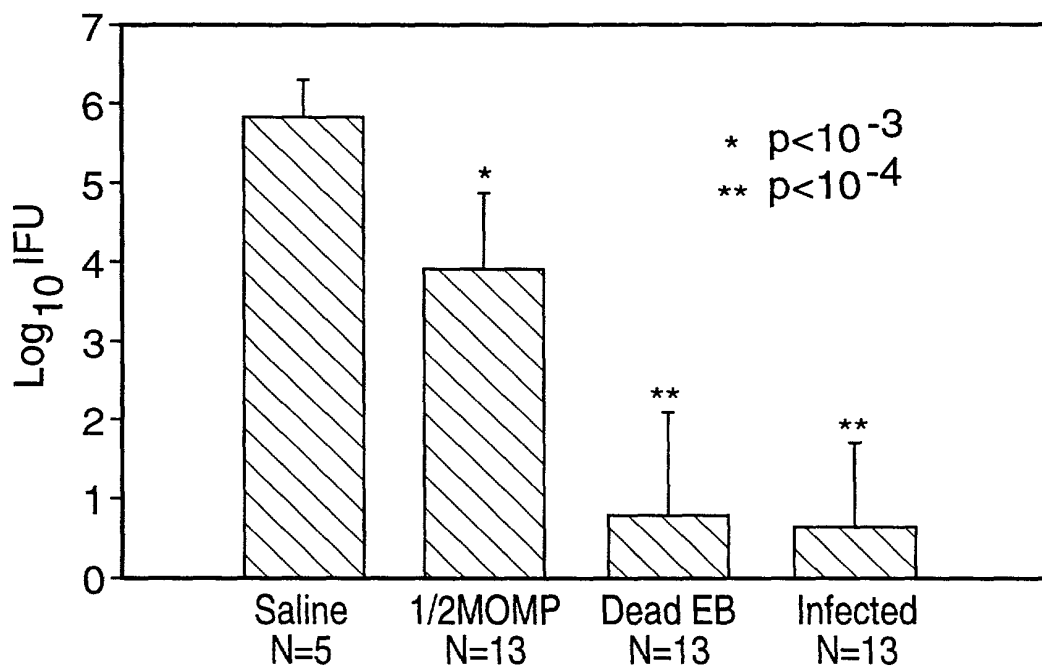


FIG.6B

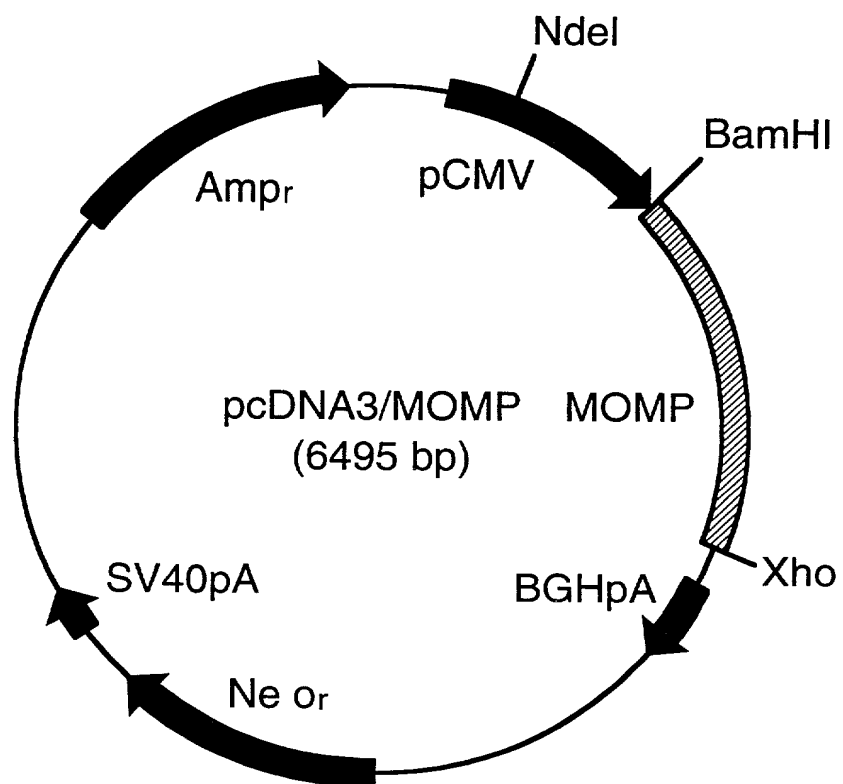


FIG.7



# MoPn MOMP gene (nucleotide number of mature MOMP)

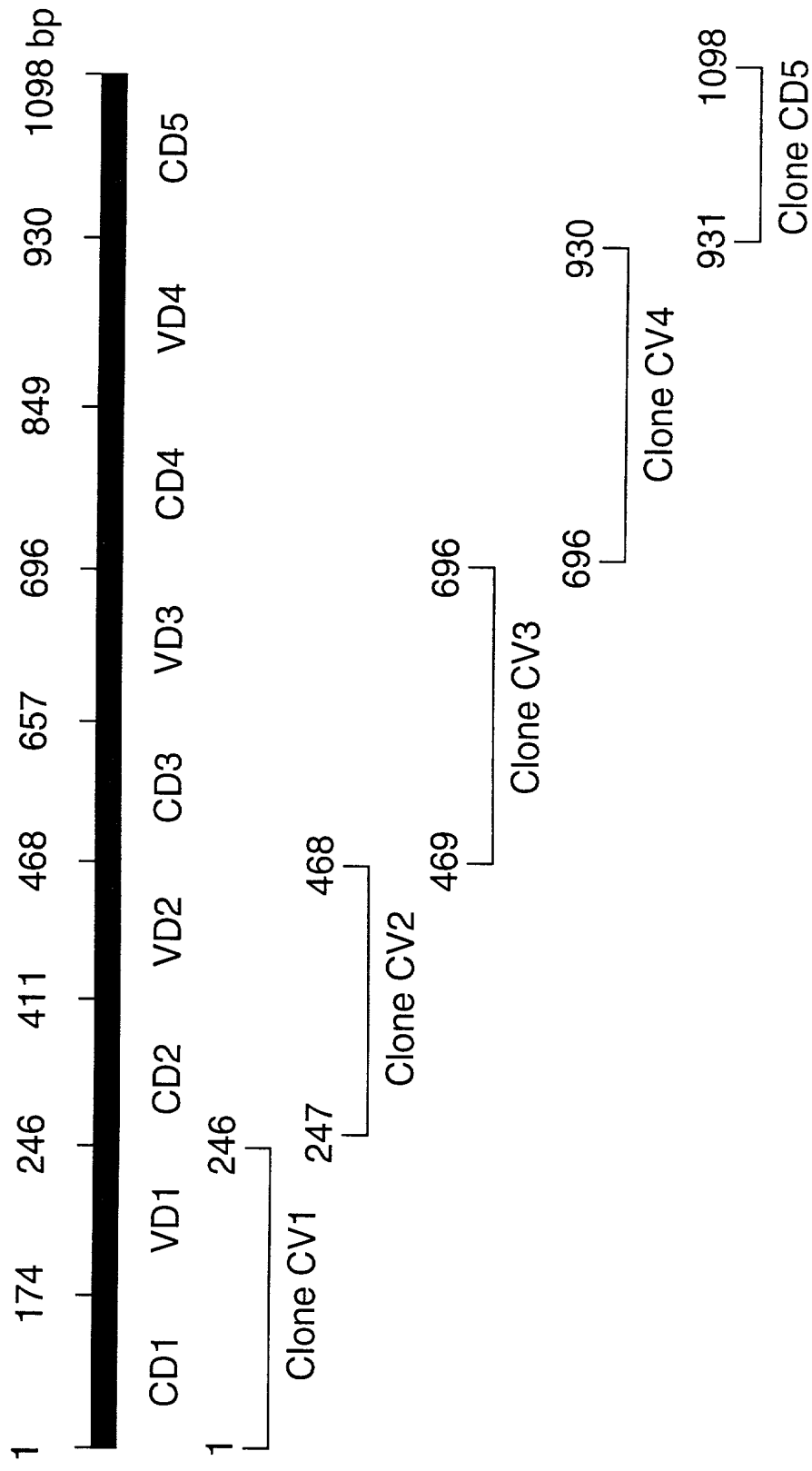


FIG.8

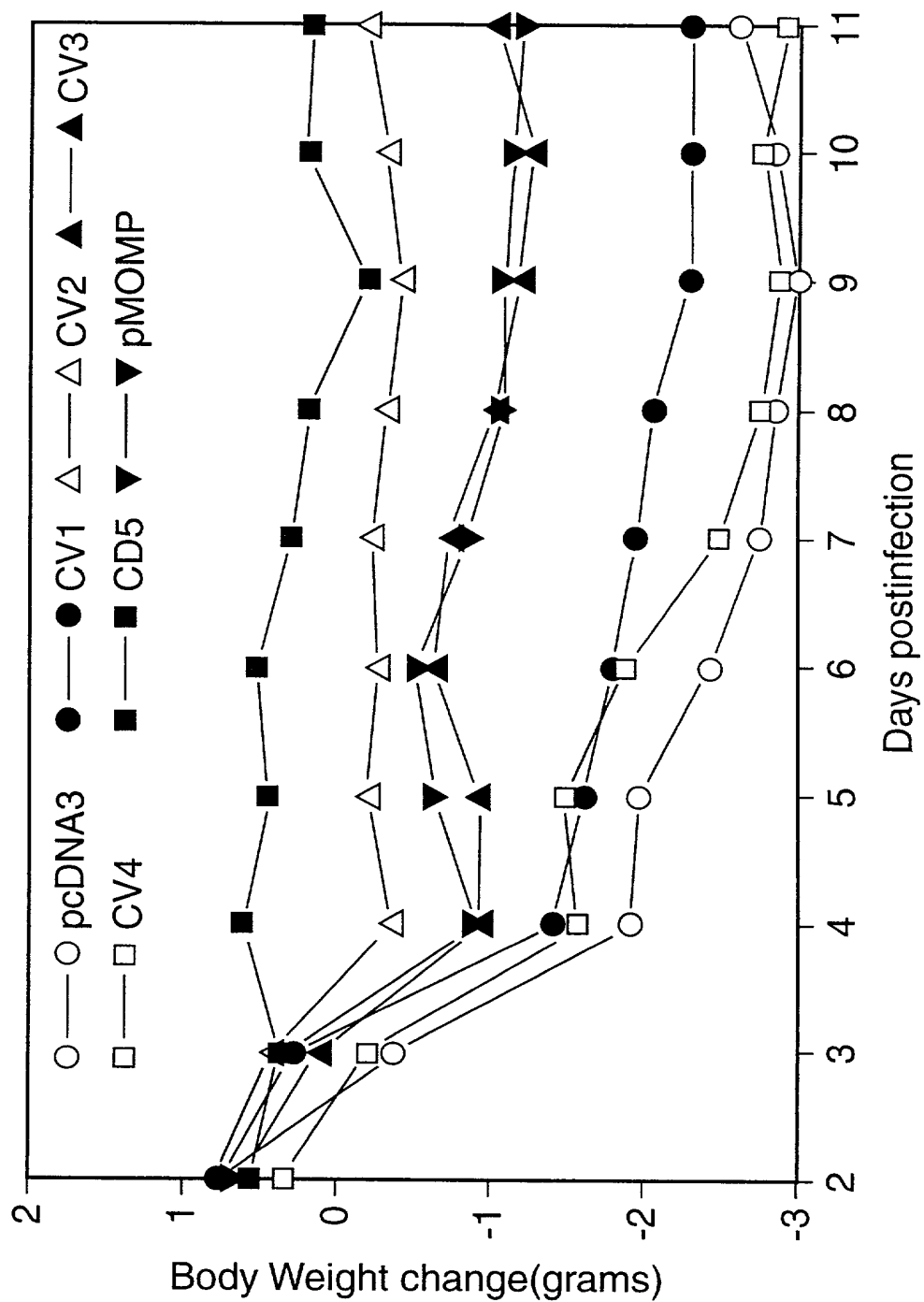


FIG. 9

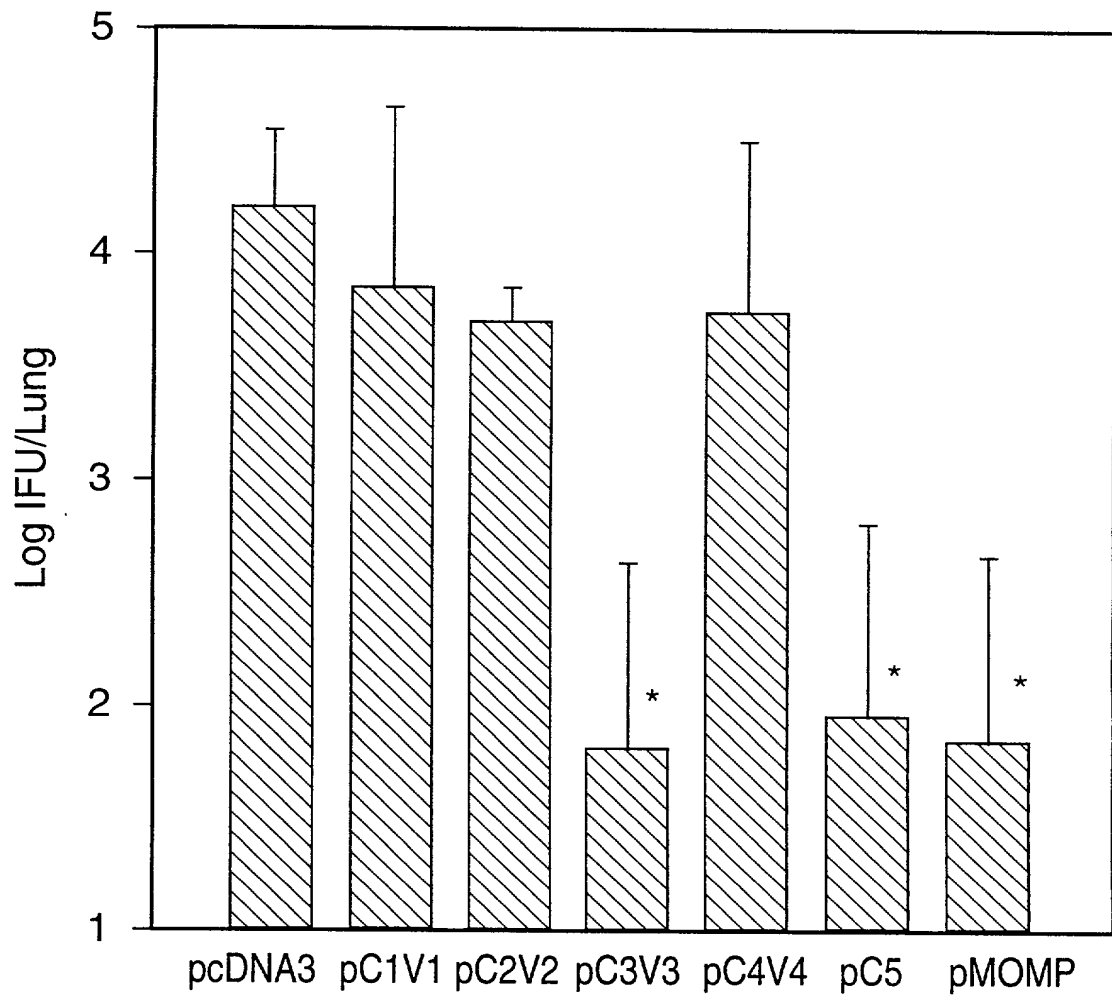


FIG.10

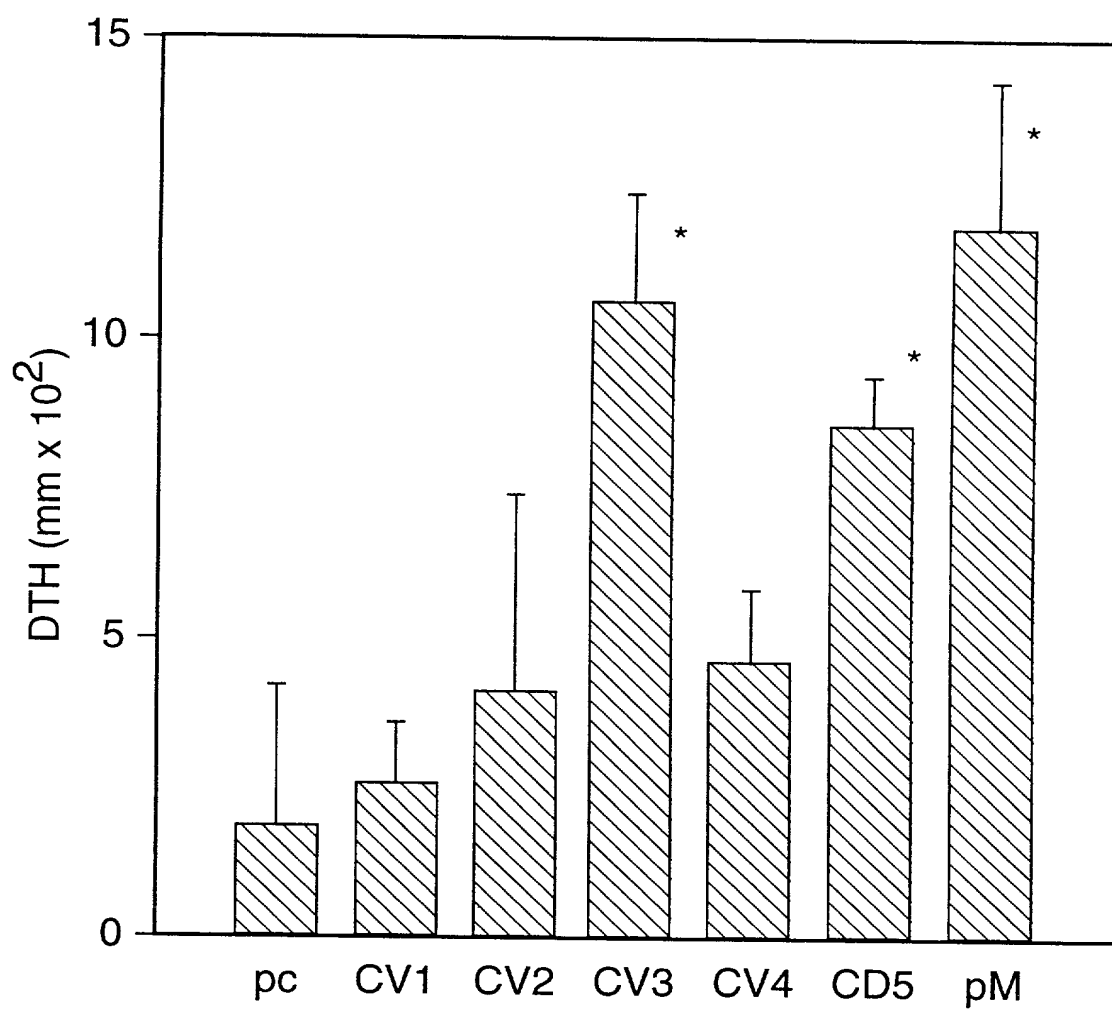


FIG.11

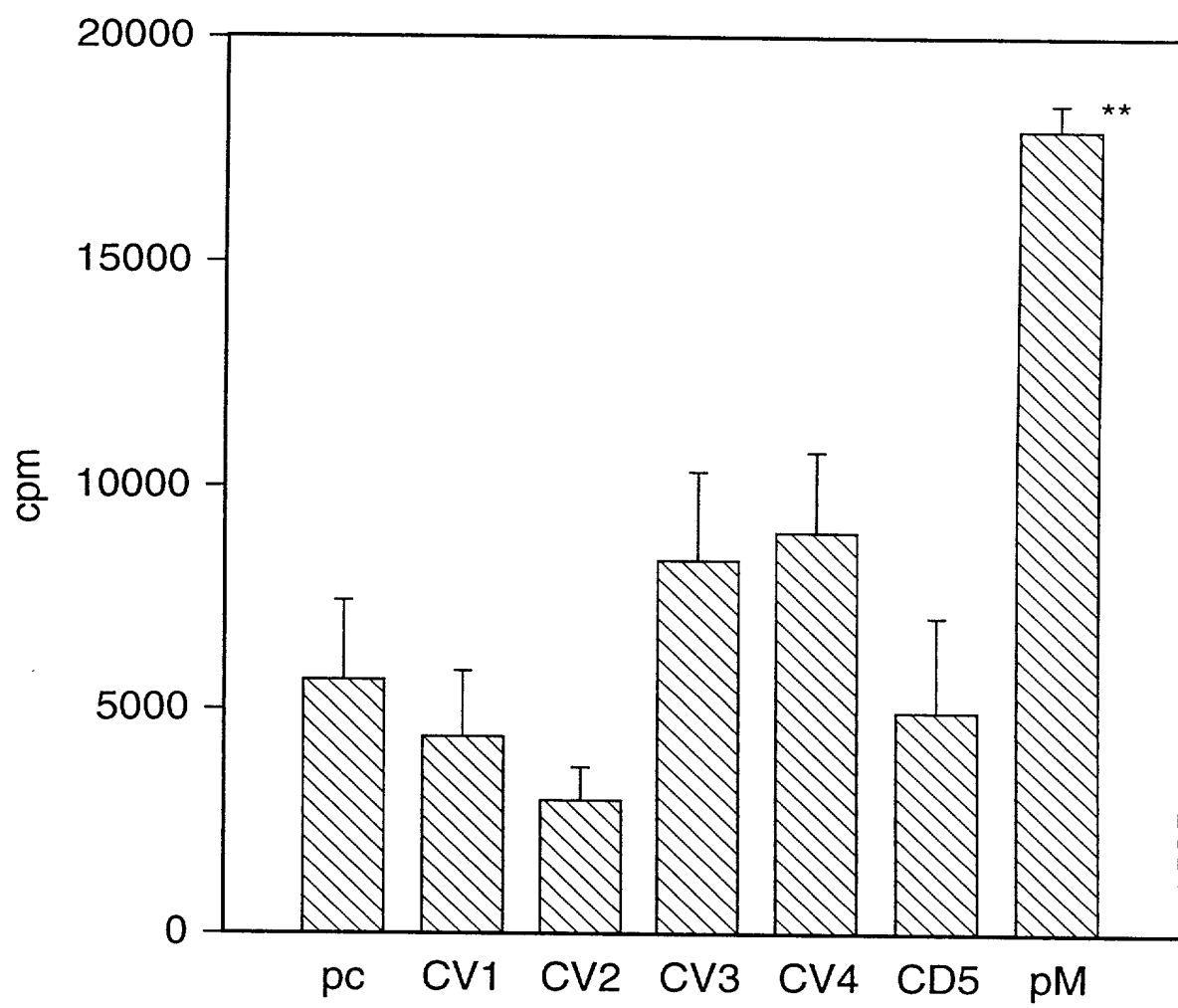


FIG.12

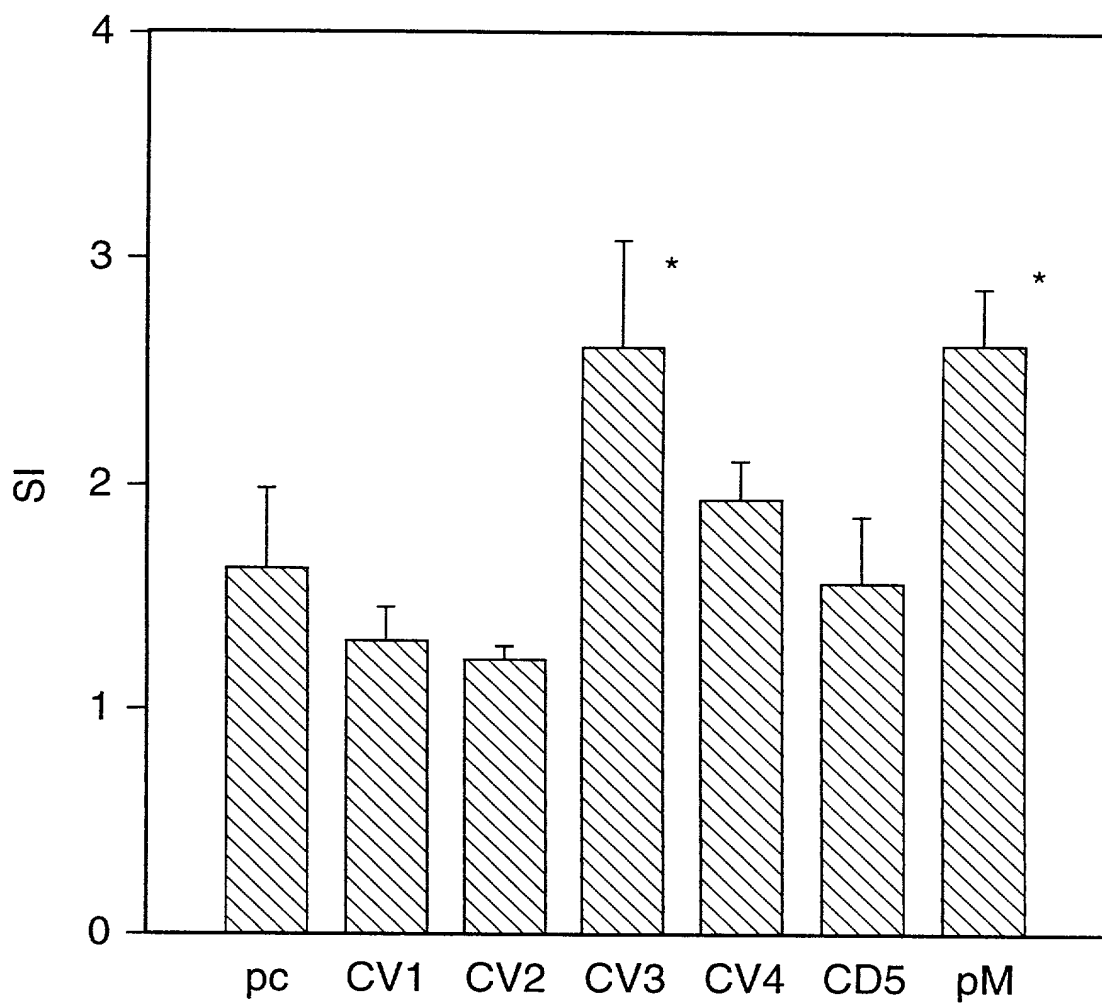


FIG.13

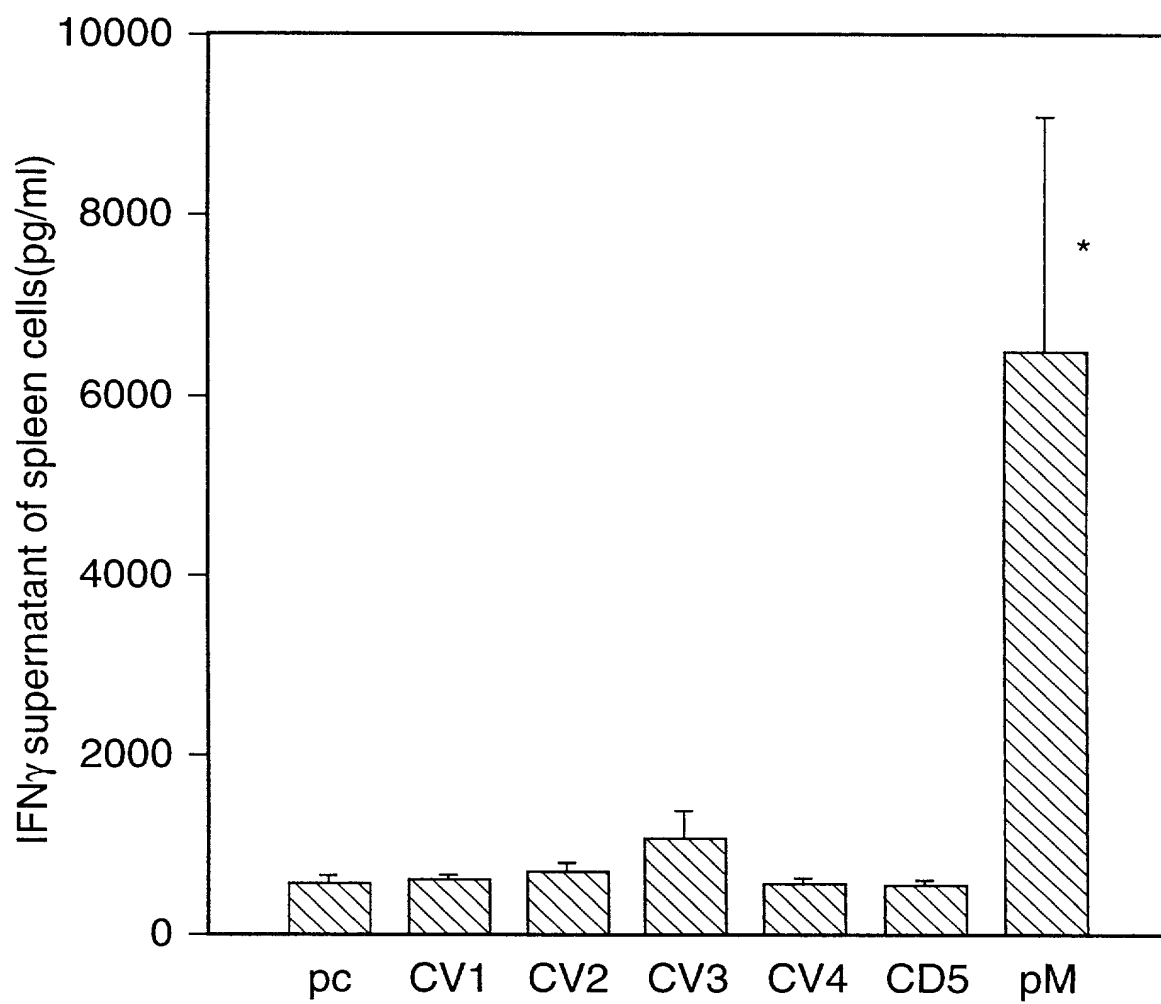


FIG.14

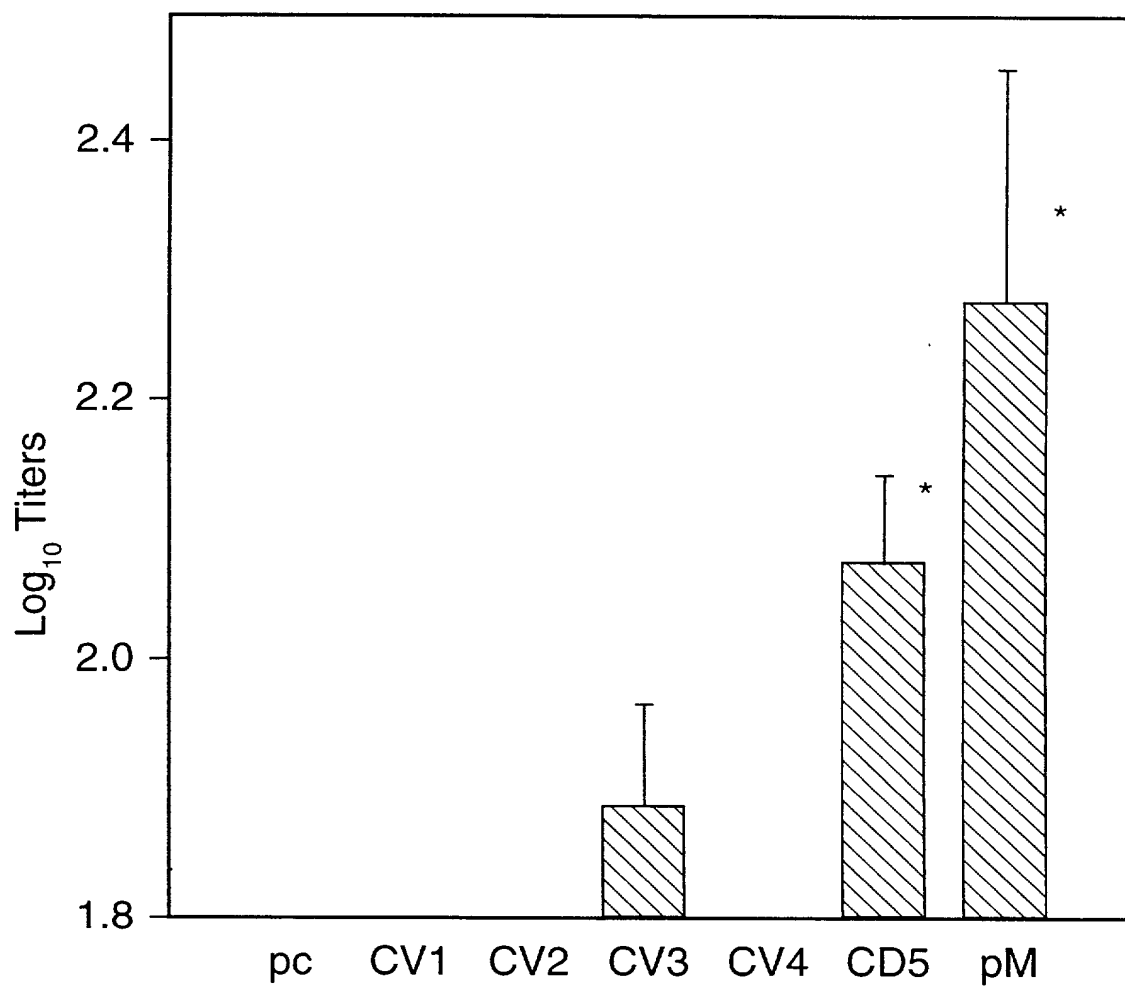


FIG.15



Figure 16

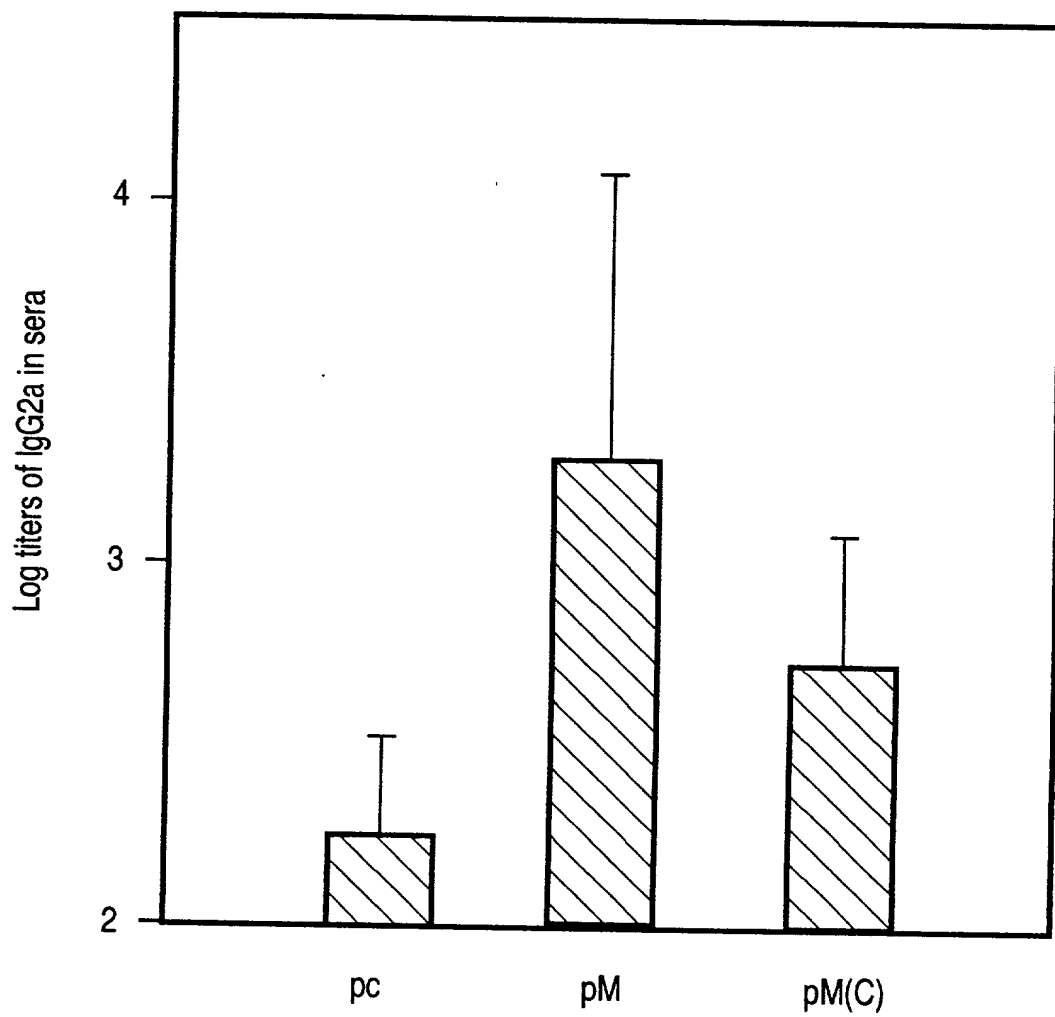


Figure 17

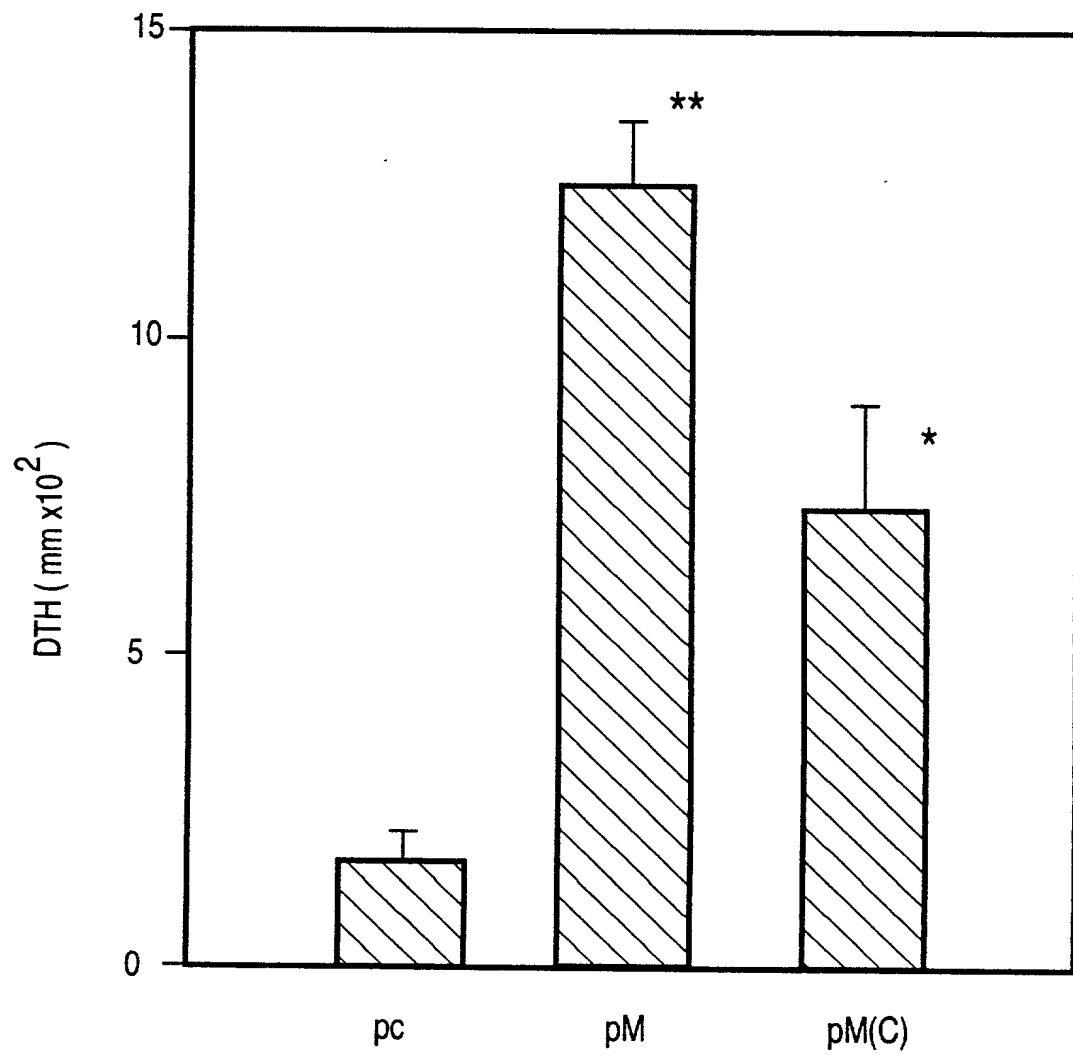


Figure 18

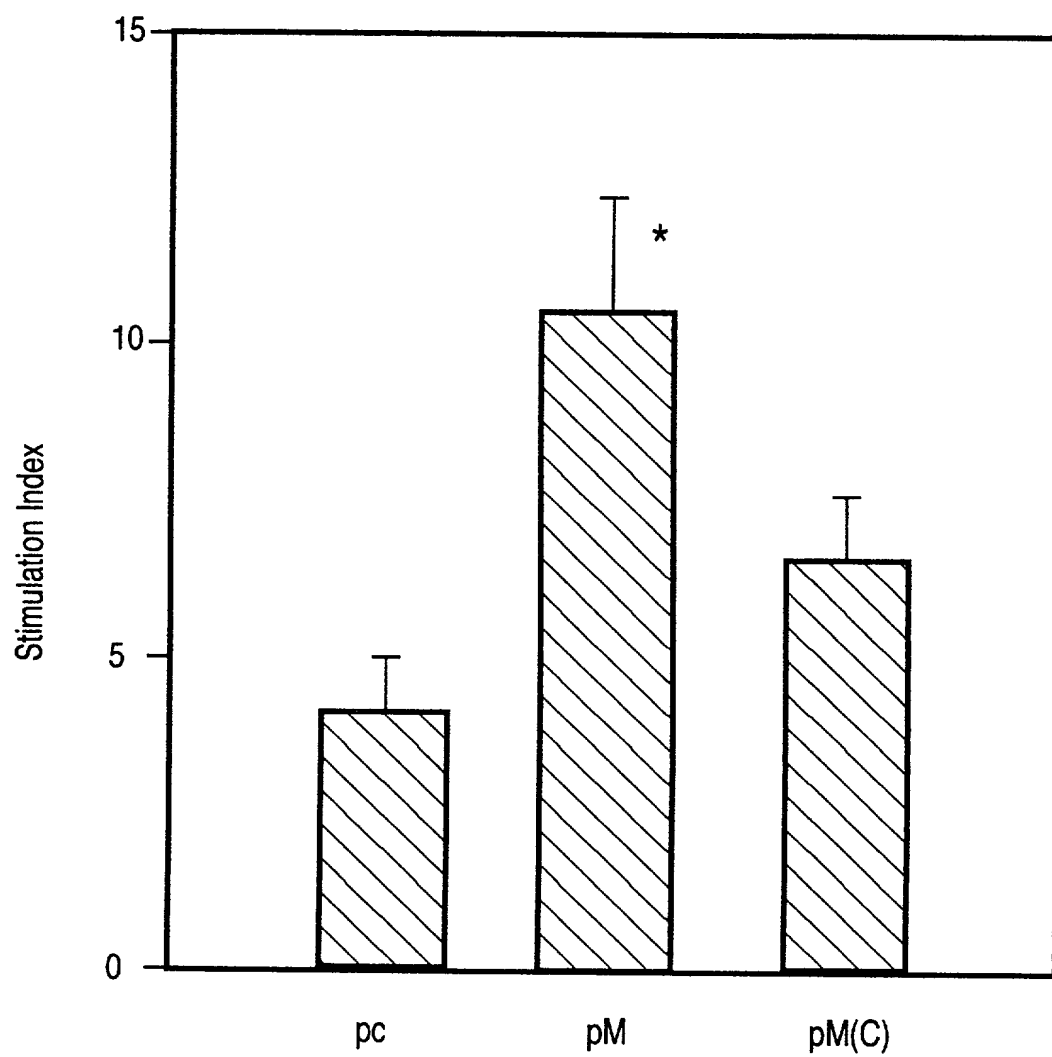


Figure 19

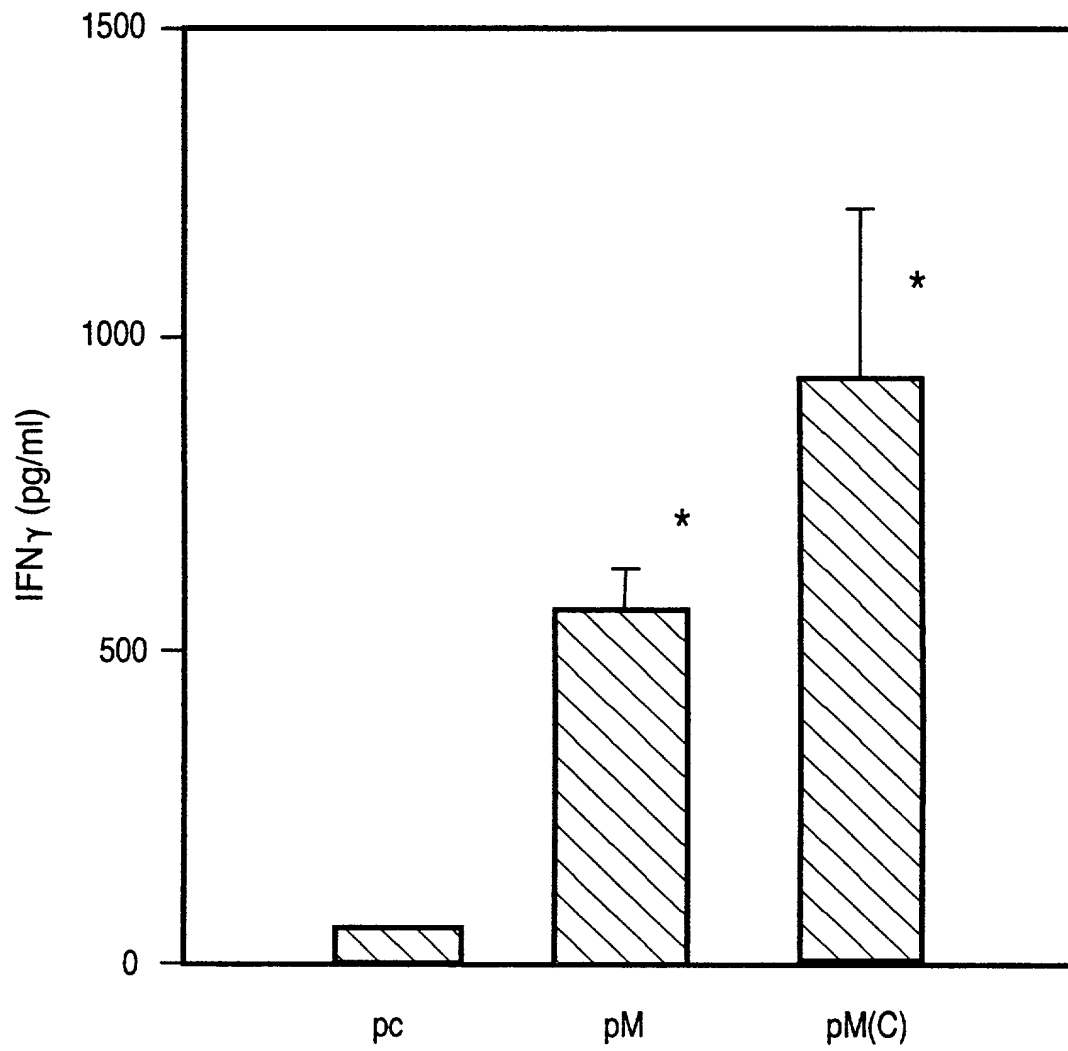


FIG. 20A

	1	26	29	23	59	78
E	MKLLKSVLVFAAL-SSASSLQALPVGNPAEPSIMIDGILLWEFGGDP	C D				
B	.....-	.....				
L1	.....-	.....				
DA	.....-	.....				
L2	.....-	.....				
F	.....-	.....				
L3	.....-	.....				
A	.....-	.....				
C	.....-	.....				
H	.....-	.....				
MoPn	.....A.V.-G...H.	.....				
SFPD	.....A.V.-G...H.	.....				
GPIC	.....A.L..T-G..L.....L..TM..AS...	.....				
Mn	.....A.L..TT-G..L.....L..TM..AS...	.....				
HuPn	.....A.LS.FAG.VG.....SD..L..TI..AA...	.....				
			29	23	59	78
		P C TTW C	DAISMRMGYYGDFVFDRVLKITDVK	EFQ-MGDKPTSTTCGTATPTT	VD I	
		.....	.....	....-.A...T.....V..S.		
		.....	.....Q.....	....-.A...A.....A..S.		
		.....	.....E.....	..H-.A...TD...SA..S.		
		.....	.....Q.....	....-.A...TA.....A..S.		



FIG.20C

MoPn	-PA--S...	.....K.....Y.....	.....T.....
SFPD	TST--P..	.....K.....Y.....	.....T.....
GPIC	TVA--D.N	.I...K.....WS...FL.....	.....N....
Mn	PEAN-G.P	.I.....E...W.S...FL.....I.	.....N..F
HuPn	Y.TAVD.P	....NK.LH...W....GFI.....	.....N..I

139

		VD II		159
KCNSASFNLVGLFG	DNENQSTVKINS-----VPNMSLDQS	WVELYTDIAFSWSVG	174	
.....	N...TK...SNGAF-----	.....A....	175	
.....	.....KDA-----	.....T.A....	174	
.....	.....K...AE.-----	.....T.A....	174	
.....	HA..SDSKL-----	.....T.A..A.	175	
.....	.GV.ATKPAAD.-----I..VQ.N..	.....T.A....	175	
.....	TKIQSTINFN.AKL-----	.....T.A....	177	
.....	TKIQS.GFD.ANI-----	.....T.A....	177	
.....	TKIQS.SFN.AKL-----I..TA.NEA	.....IN.T.A....	177	
.....	TKTKS.DFN.AKL-----	.....T.A....	177	
.....A.....	RD.TA-----VAADDI..V..S.A	.....A....	171	
.....	.GVANAANAIAATVAADSL..V..S.A	.....A....	180	
.A.A.A.....L.	VTG-----TDLQGG---Y..VAIS.G	L.....T.....	169	
.AS..A.....I.	FSAAS.ISTDLPITQ---L..VGIT.G	...F.....S.....	178	
R...TA.....	VKG--T..N-ANE---L..V..SNG	.....S.....	170	

FIG. 20D

	182	184		210	
E	ARAALWE	C G C	AATLGASFQYAQS KPKVEELNVL	C NAAEFTTINKPKGY	
B	.....	.	.....	.....	
L1	.....	.	.....	.....	
DA	.....	.	.....	.....	
L2	.....	.	.....	.....	
F	.....	.	I.....	.....	
L3	.....	.	.....	D.S.....	
A	.....	.	.....	S.....	
C	.....	.	.....	S.....	
H	.....	.	.....	S.....	
MoPn	.....	.	.....	.....	
SFPD	.....	.	.....	Q.....	
GPIC	G.....	.	E.....N.I.M...I	S SPTQ.V.H..R..	
Mn	G.....	.	E.....N.I.M...T	S SP.Q.V.H..R..	
HuPn	G.....	.	E.....	.VSQ.SV.....	
			223	233	
			VD III		
	VG	--Q̄EFFPLALIAGTDA	ATGTKDASIDVHEWQA	SLALS YRLNMFTPIYGKWSRA	273
	..	--K.L..D.T.....	.....	.....	274
	..	--K....D.T.....	.....	.....	273
	..	--K....D.T.....	.....	.....	273
	..	--...D.K...GV	.....	.....	274





